



# AMITY UNIVERSITY

—UTTAR PRADESH—

## Domain of Engineering & Technology

Amity School of Engineering and Technology

### Minor Project

### WEEKLY PROGRESS REPORT (WPR)

For the week commencing on: 03-10-2022 (10<sup>th</sup> week)

Program: B.Tech. (AI)  
WPR: 10

Student Name: Divvela Vishnu Sai Kumar  
Enrollment Number: A076119819005

Company Name (if any)	: ASET, LUCKNOW
Faculty Guide's Name	: DR. SHEENU RIZVI
Project / Seminar Title	: FACE RECOGNITION USING TENSORFLOW

#### TARGETS SET FOR THE WEEK:

- Study about how to custom training loops and how to visualize the graph of model in tensorboard.
- To study more about neural networks layers architecture to make the project more accurate.
- Study about open cv package in python to read the image data and os package to save the files and directory because for this project we are going to make our own dataset.

#### ACHIEVEMENTS FOR THE WEEK:

- Studied about how to implement subclassing, custom model fit, custom training loop, custom callbacks, data augmentation and normalization using tensorflow.

- Studied how to collect the images to make a dataset for the face recognition using opencv package.
- Studied about the opencv and os packages.

**FUTURE WORK PLANS:**

- Will try practical implement of various DL usecases under the guidance of faculty guide.
- By actually performing things I will have a better understanding of things and it will enhance my knowledge which is very essential before working on the actual project.